

Title (en)

Boiling water reactor fuel assembly having axially positioned fuel rod spacers.

Title (de)

Siedewasserreaktor mit axial positioniertem Brennstababstandshalter.

Title (fr)

Réacteur à eau bouillante comportant une grille d'espacement de barres de combustible positionnée axialement.

Publication

EP 0254096 A2 19880127 (EN)

Application

EP 87109525 A 19870702

Priority

US 88829486 A 19860722

Abstract (en)

The invention relates generally to a fuel assembly having a bundle of fuel rods (42) disposed in a coolant/moderator fluid flow channel defined by walls (20, 34) of elongate flow channel structure (12, 26), and relates in particular to positioning means (54) for disposing fuel-rod spacer grids (50) associated with the fuel-rod bundle in desired axial positions along the latter. The positioning means (54) are yielding resilient, arcuate leaf springs interposed between the respective spacer grid (50) and the fluid-flow-path defining walls (20, 34) so as to exert thereon a lateral force sufficient to maintain the spacer grid in its desired axial position. The arcuate leaf springs (54) extend in the longitudinal direction of the fuel-rod bundle, and each preferably has one end thereof attached to the peripheral strap (56) of the associated spacer grid and has its opposite end free.

IPC 1-7

G21C 3/32; **G21C 3/34**

IPC 8 full level

G21C 3/34 (2006.01); **G21C 3/33** (2006.01); **G21C 3/356** (2006.01)

CPC (source: EP US)

G21C 3/33 (2013.01 - EP US); **G21C 3/3563** (2013.01 - EP US); **Y02E 30/30** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES IT SE

DOCDB simple family (publication)

EP 0254096 A2 19880127; **EP 0254096 A3 19881026**; JP S6336190 A 19880216; US 4740350 A 19880426

DOCDB simple family (application)

EP 87109525 A 19870702; JP 18128887 A 19870722; US 88829486 A 19860722